

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/009491

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G06T9/00 H04N5/262

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06T H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/33958 A (EASTMAN KODAK CO) 25 April 2002 (2002-04-25) abstract; figure 7 page 19, line 28 - page 23, line 11 page 25, line 5 - page 27, line 29 page 35, line 10 - page 36, line 6	1, 15
A		2-14, 16-26
X	US 5 641 596 A (COK DAVID R ET AL) 24 June 1997 (1997-06-24) abstract; figures 1, 3 column 1, line 60 - column 2, line 8 column 2, line 23 - line 40 column 2, line 57 - line 66 column 3, line 24 - line 64 column 4, line 61 - column 5, line 16 column 6, line 19 - line 61	1, 15
A		2-14, 16-26
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

8 document member of the same patent family

Date of the actual completion of the international search

10 August 2004

Date of mailing of the international search report

25/08/2004

Name and mailing address of the ISA

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PCT/US2004/009491

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PEISONG CHEN ET AL: "Video coding for digital cinema" PROCEEDINGS 2002 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. ICIP 2002. ROCHESTER, NY, SEPT. 22 - 25, 2002, INTERNATIONAL CONFERENCE ON IMAGE PROCESSING, NEW YORK, NY : IEEE, US, vol. VOL. 2 OF 3, 22 September 2002 (2002-09-22), pages 749-752, XP010607432 ISBN: 0-7803-7622-6 the whole document</p>	1-26
A	<p>OKLEM R ET AL: "A wavelet transform method for coding film-grain noise corrupted images" PROCEEDINGS 2000 INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, ISTANBUL, TURKEY, 5-9 JUNE 2000, vol. 6, 5 June 2000 (2000-06-05), pages 2063-2066, XP010504703 the whole document</p>	1-26
A	<p>CAMPISI P ET AL: "Signal-dependent film grain noise generation using homomorphic adaptive filtering" IEE PROCEEDINGS: VISION, IMAGE AND SIGNAL PROCESSING, INSTITUTION OF ELECTRICAL ENGINEERS, GB, vol. 147, no. 3, 23 June 2000 (2000-06-23), pages 283-287, XP006014574 ISSN: 1350-245X the whole document</p>	1-26
A	<p>JACKY CHUN KIT YAN ET AL: "Signal-dependent film grain noise removal and generation based on higher-order statistics" HIGHER-ORDER STATISTICS, 1997., PROCEEDINGS OF THE IEEE SIGNAL PROCESSING WORKSHOP ON BANFF, ALTA., CANADA 21-23 JULY 1997, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 21 July 1997 (1997-07-21), pages 77-81, XP010239820 ISBN: 0-8186-8005-9 the whole document</p>	1-26

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International Application No

PCT/US2004/009491

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>YAN J C K ET AL: "Film grain noise removal and generation for color images" ACOUSTICS, SPEECH AND SIGNAL PROCESSING, 1998. PROCEEDINGS OF THE 1998 IEEE INTERNATIONAL CONFERENCE ON SEATTLE, WA, USA 12-15 MAY 1998, NEW YORK, NY, USA, IEEE, US, 12 May 1998 (1998-05-12), pages 2957-2960, XP010279377 ISBN: 0-7803-4428-6 the whole document</p>	1-26
A	<p>SHAHNAZ R ET AL: "Image compression in signal-dependent noise" APPL. OPT. (USA), APPLIED OPTICS, 10 SEPT. 1999, OPT. SOC. AMERICA, USA, vol. 38, no. 26, 10 September 1999 (1999-09-10), pages 5560-5567, XP002291572 ISSN: 0003-6935 the whole document</p>	1-26
A	<p>US 6 269 180 B1 (SEVIGNY BENOIT) 31 July 2001 (2001-07-31) the whole document</p>	1-26

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/009491

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0233958	A	25-04-2002	EP 1329094 A2 23-07-2003 JP 2004512595 T 22-04-2004 WO 0233958 A2 25-04-2002
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